

KP Series



KP Series

Beyond LED Technology's KP Series Parking Garage fixture is fully-featured and the most innovative product of its kind. This new 2021 model offers CCT Adjustable options of 3000K, 4000K & 5000K. At Beyond LED we know every parking garage application is unique. To that end, our approach is to apply a total space evaluation to understand what you want to accomplish, so we can design a lighting solution for the total parking garage space. KP Series fixtures offer high-performance, energy-efficiency, and the best technology to deliver parking garage lighting for optimum "sealability", safety, and security. Beyond LED products are supported by pre-sale & post-sale service, and layout assistance.

- Up to 130 Lumens per watt
- CCT Changeable 3000K, 4000K & 5000K
- New housing design for quick and easy mounting and installation
- UV-stabilized acrylic prismatic refractor with self-retaining screws
- 3/4" conduit entry on top for pendant mounting

- 1/2" conduit entries on two sides
- IP65 Waterproof Rated
- Universal 100-277Vac

KP Series

KP Series

SKU#	Model #	Watts	Lumens	CCT	IP	Input Voltage	Certifications
151395	BLT-PG05B-40WAT2A1-abcd	40W	4425-5293Lm	3/4/5K Adjustable	IP65	100-277Vac 50/60Hz	UL & DLC
151238	BLT-PG05B-55WAT2A1-abcd	55W	6297-7546Lm	3/4/5K Adjustable	IP65	100-277Vac 50/60Hz	UL & DLC
151393	BLT-PG05B-75WAT2A1-abcd	75W	8876-10485Lm	3/4/5K Adjustable	IP65	100-277Vac 50/60Hz	UL & DLC
151239	BLT-PG05B-100WAT2A1-abcd	100W	11946-13999Lm	3/4/5K Adjustable	IP65	100-277Vac 50/60Hz	UL & DLC





Pendant

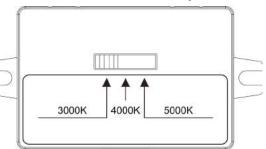
Surface

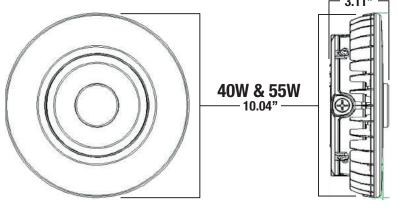


Suspension



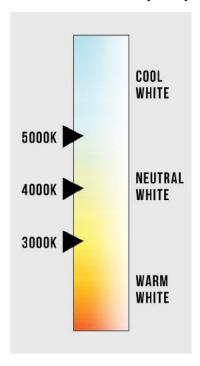
3000K / 4000K / 5000K CCT Adjustable





75W & 100W 11.02"

CORRELATED COLOR TEMPERATURE (CCT)







t Power

LED Parking Garage Light

Input Powerland Turn Browner

KP Series

Lumen

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Tolerance of Carton Size: ±0.590551 in, Tolerance of Weight: ±10%.

15*315**02/**90ernboox **Pallet Dimensions** Weight Pallet Quantity Pallet Weight Model Pcs/Box **Dimensions** 40W 13" X 13" X 6" 6 Lb

KP Series

40W Distribution Diagram

Luminaire Property

Luminaire Manufacturer:

Voltage: 121.8 V Power: 37.62 W Current: 0.313 A Power Factor: 0.986

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 5029.7 lm

Efficiency: 100% Upward Ratio: 3%

Central Intensity: 951.04 cd Pos of Max. Intensity: H315 V44 Longitudinal Classification: Very Short

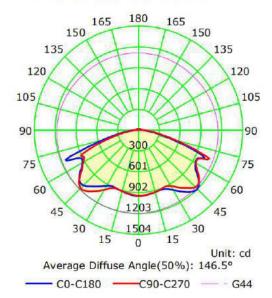
Measurement Flux: 5029.7 lm

Downward Ratio: 97%

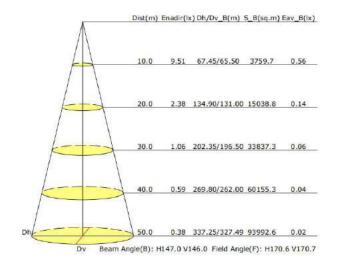
Luminaire Efficacy Rating (LER): 133.75

Max. Intensity: 1203.67 cd

Luminous Intensity Distribution Curve



Illuminance at a Distance(Beam Angle)



Troubles

Check points

Flickering of the light

Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.



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LED Parking Garage Light

Input Powerlo from Russerer

KP Series

Lumen

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Pallet Dimensions Weight Pallet Quantity Pallet Weight Model Pcs/Box **Dimensions** 55W 13" X 13" X 6" 6 Lb

KP Series

55W Distribution Diagram

Luminaire Property

Luminaire Manufacturer:

Voltage: 120.6 V Power: 55.40 W

Current: 0.468 A Power Factor: 0.990

Photometric Results

CIE Class: Direct

Measurement Flux: 6685.8 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H145 Vertical Diffuse Angle(50%): V145.1

Luminaire Efficacy Rating (LER): 120.73

Max. Intensity: 1626.45 cd

S/MH(C0/C180): 1.90

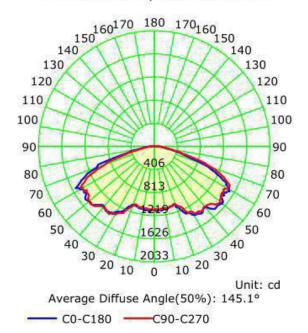
Total Rated Lamp Lumens: 6685.8 lm

Efficiency: 100% Upward Ratio: 1%

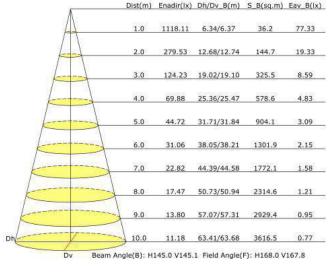
Central Intensity: 1118.11 cd Pos of Max. Intensity: H45 V60

S/MH(C90/C270): 1.86

Luminous Intensity Distribution Curve



Illuminance at a Distance



Troubles

Check points

Flickering of the light

Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.

Out of w(1866) 786-1117 • www.BeyondLEDTeclification the connection.



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KP Series

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Tolerance of Carton Size: ±0.590551 in, Tolerance of Weight: ±10%. 45*30008465Nbbk **Pallet Dimensions** Weight Pallet Quantity Pallet Weight Model Pcs/Box **Dimensions** 75W 13" X 13" X 6" 8 Lb

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anty Time

KP Series

75W Distribution Diagram

Luminaire Property

Luminaire Manufacturer:

Voltage: 121.6 V Power: 73.31 W

Current: 0.610 A Power Factor: 0.987

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 9140.3 lm

Efficiency: 100% Upward Ratio: 3%

Central Intensity: 1578.48 cd

Pos of Max. Intensity: H255 V23

Longitudinal Classification: Very Short

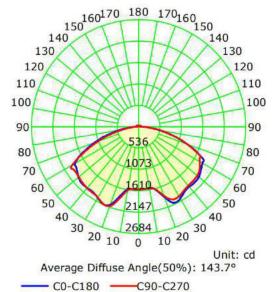
Measurement Flux: 9140.3 lm

Downward Ratio: 97%

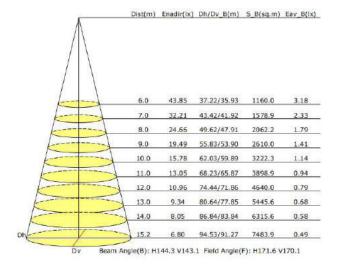
Luminaire Efficacy Rating (LER): 124.73

Max. Intensity: 2147.23 cd

Luminous Intensity Distribution Curve



Illuminance at a Distance



Troubles

Check points

Turn off the power and turn on again in 3 minutes.

Flickering of the light

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LED Parking Garage Light

Input Powerlin propriet Power er

KP Series...

Lumen

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Tolerance of Carton Size: ±0.590551 in, Tolerance of Weight: ±10%. **Pallet Dimensions** Weight Pallet Quantity Pallet Weight Model Pcs/Box **Dimensions** 100W 13" X 13" X 6" 8 Lb

Beyond LED Technology | 1939 Parker Ct, Stone Mountain, GA, 30087

45*30008#4e5Nbb/k

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100W Distribution Diagram

Luminaire Property

Luminaire Manufacturer:

Current: 0.848 A Voltage: 121.4 V Power: 102.70 W Power Factor: 0.997

Photometric Results

CIE Class: Direct

Measurement Flux: 12376.2 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H144.8 Vertical Diffuse Angle(50%): V145.6 Luminaire Efficacy Rating (LER): 120.56

Max. Intensity: 2958.65 cd

S/MH(C0/C180): 1.84

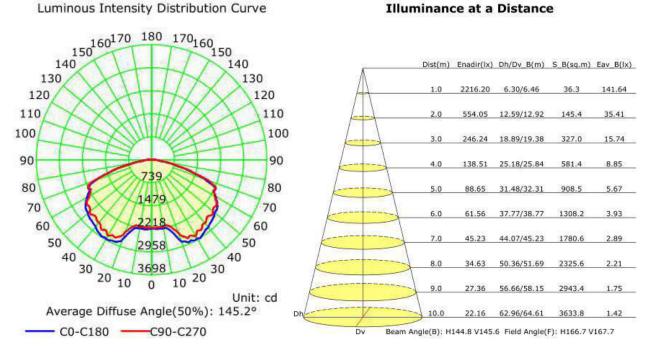
Total Rated Lamp Lumens: 12376.2 lm

Efficiency: 100% Upward Ratio: 1%

Central Intensity: 2216.2 cd Pos of Max. Intensity: H0 V32 S/MH(C90/C270): 1.79



Illuminance at a Distance



Troubles

Check points



KP Series

Installation

Cautions:

- 1. Can not use the electric generator to test the LED lamp.
- 2. Please abide by related country, regional and local law and regulations when install this fixture.
- 3. Please turn off the power before installation or maintenance.
- 4. Proper earth grounding is required to ensure safety.

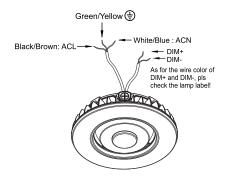
Notice

- 1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
- 2. Please wear gloves to avoid injury before installation.
- 3. If any smoke or spark of the wire happened, please turn off the power immediately and notify relevant personnel.

Attention:

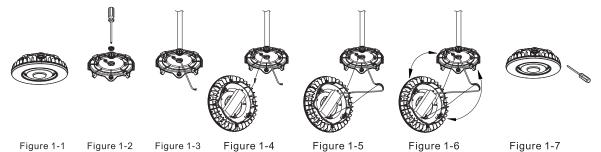
- 1. Please check if there is any damage during shipping. If so, please contact manufacturer timely.
- 2. Please read the installation instruction carefully to check whether all the accessories are complete. After confirmation, then install the fixture according to installation steps.





☑Installation Method I:

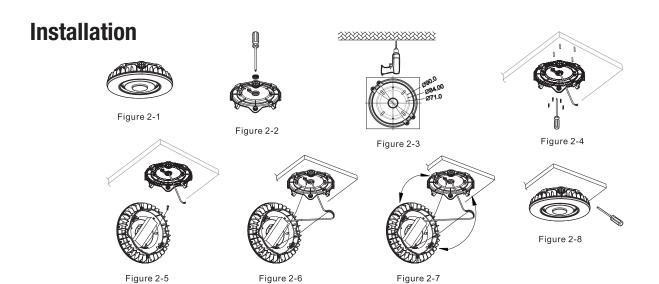
- 1. Disassemble the driver box cover; Figure 1-1
- 2. Loosen the 3/4 plug on the driver box cover by screwdriver; Figure 1-2
- 3. Fix the driver box cover on the 3/4 tube; Figure 1-3
- 4. Cling the safety rope in the driver box to the hook inside the driver box; Figure 1-4
- Connect the input line and ground; If the fixture is equipped with sensor, adjust the sensor settings, Take relevant waterproof measures after the wires are connected; Figure 1-5
- 6. Align the drive box cover with the metal shrapnel inside the drive box and press upward to fasten it together. Figure 1-6
- 7. Lock the four screws, the product is installed. Figure 1-7



☑Installation Method II:

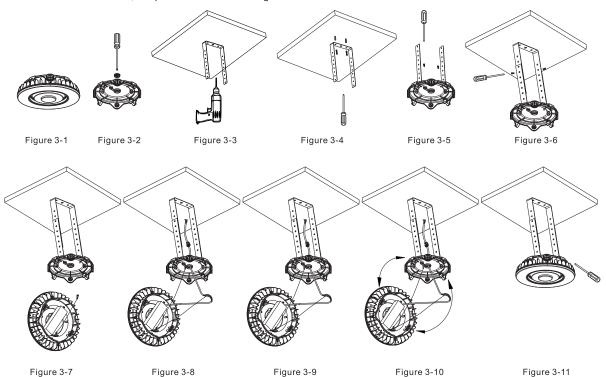
- 1. Disassemble the driver box cover; Figure 2-1
- 2. Loosen the 3/4 plug on the driver box cover by screwdriver; Figure 2-2
- 3. Drill the holes on the ceiling accordingly to fit the plate; Figure 2-3
- 4. Fix the driver box cover on the ceiling; Figure 2-4
- 5. Cling the safety rope in the driver box to the hook inside the driver box; Figure 2-5
- 6. Connect the input line and ground; If the fixture is equipped with sensor, adjust the sensor settings; Take relevant waterproof measures after the wires are connected; Figure 2-6
- 7. Align the drive box cover with the metal shrapnel inside the drive box and press upward to fasten it together.
- 8. Lock the four screws, the product is installed. Figure 2-8

KP Series



□Installation Method III:

- 1. Disassemble the driver box cover; Figure 3-1
- 2. Loosen the 3/4 plug on the driver box cover by screwdriver; Figure 3-2
- 3. Drill holes on the ceiling; Figure 3-3
- 4. Fix the upper bracket on the ceiling; Figure 3-4
 5. Fix the lower bracket on the driver box cover; Figure 3-5
- 6. Align with the holes of upper and lower bracket; tighten with screws; Figure 3-6
- 7. Cling the safety rope in the driver box to the hook inside the driver box; Figure 3-7
- 8. Use M20 waterproof connector when connecting AC wire or dimming wire, take relevant waterproof measures at both sides of inlet. Figure 3-8
- 9. Connect the input line and ground; If the fixture is equipped with sensor, adjust the sensor settings; Take relevant waterproof measures after the wires are connected; Figure 3-9
- 10. Align the drive box cover with the metal shrapnel inside the drive box and press upward to fasten it together. Figure 3-10
- 11. Lock the four screws, the product is installed. Figure 3-11





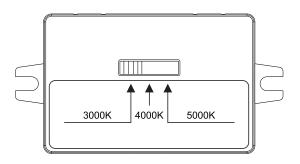


KP Series

Installation

Adjust the color temperature through the switch:

Move the switch left and right to get the desired color temperature.



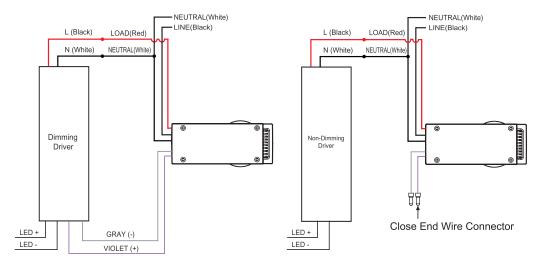
PARAMETER SETTING BY REMOTE CONTROL IN MANUAL OF RC-100 Wiring Diagrams

BRI823-B-D wiring with dimming ballast or LED driver.

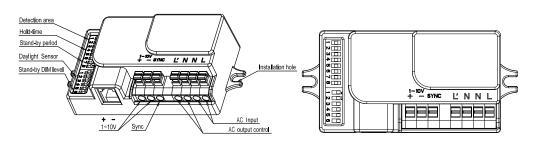
Dimming Driver

BRI823-B-D wiring with non-dimming ballast or LED driver.

Non-Dimming Driver



Structure of motion sensor



KP Series

Installation

Setting:

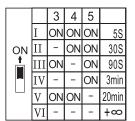
By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.

		1	2	
ON	Ι	ON	ON	100%
	II	ON	-	75%
	III	-	ON	50%
	IV	-	_	25%

Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

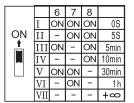
Factory setting: I



Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

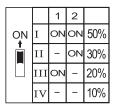
Factory setting: VI



Stand-by period

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people. When set to Disable mode, the low light is maintained until motion is detected.

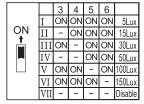
Factory setting: I



Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.

Factory setting: I



Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

100lux, 100lux, 50lux: twilight operation, 10lux, 5lux: darkness operation only. Note that daylight sensor is active only when lamp totally switches off. Factory setting: VII

Warning / Avertissement

MIN 75°C SUPPLY CONDUCTOR

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

LES FILS D'ALIMENTATION 75°C MIN

CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAÎT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHÉRENTS.

> BEYOND LED TECHNOLOGY



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User Notice

- Please turn off the power before installing or changing assembly parts.
- The input voltage and lamps should be matching. Before connecting the power line, please make sure the wiring section is insulated.
- Only professionals should install and disassemble the lamps.

Trouble Shooting

- Flickering light Turn off
- Turn off the power and turn on again in 3 minutes. If the same phenomena occurs, then call Support.
- Not working
- Please check all power connections.

KP Series

Application

